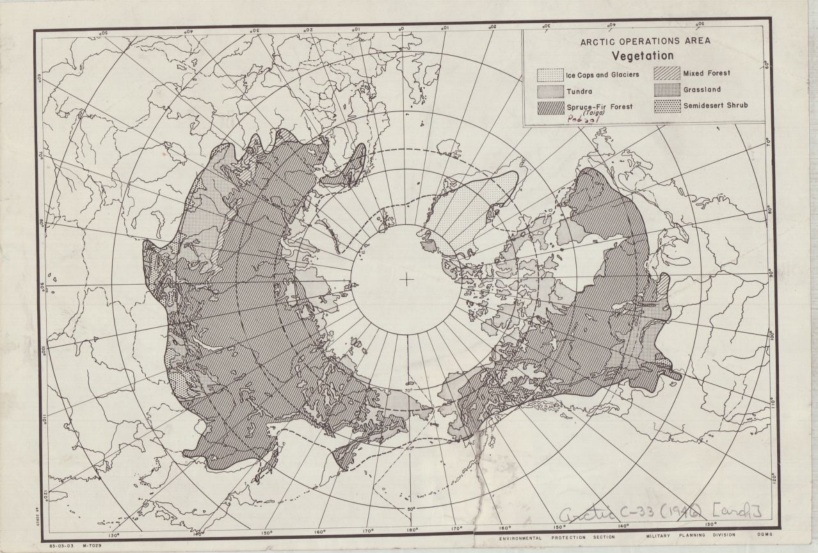
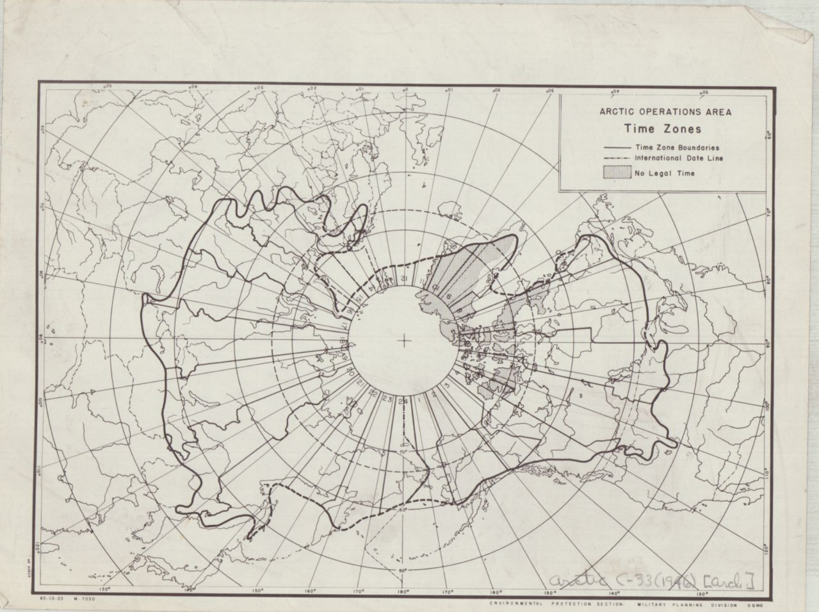
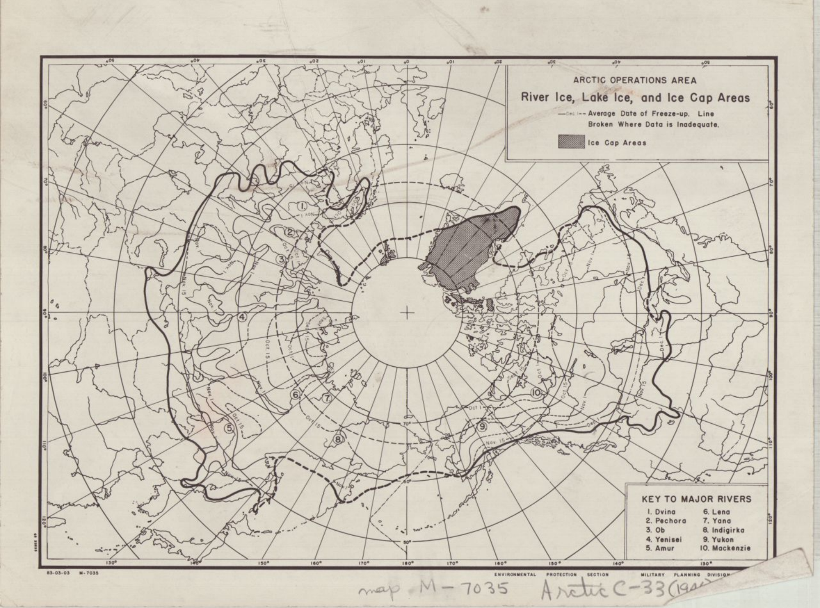
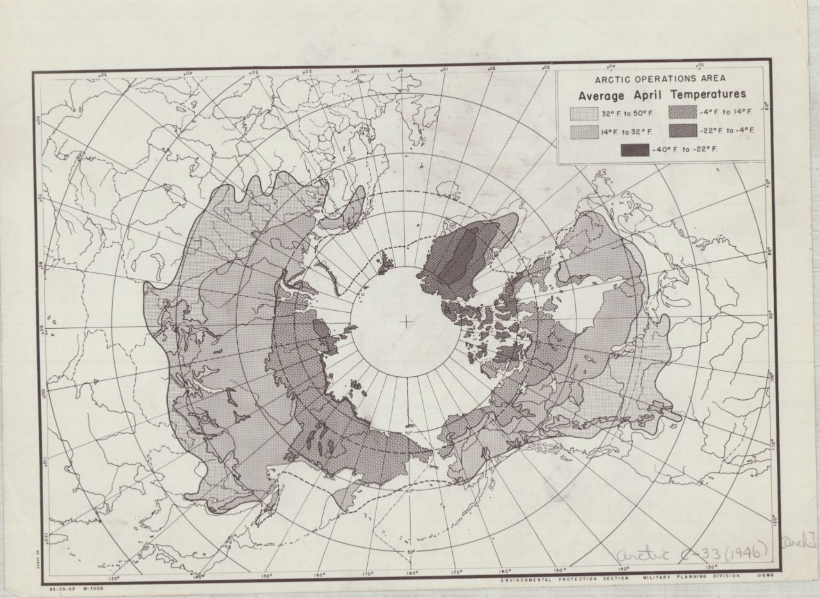
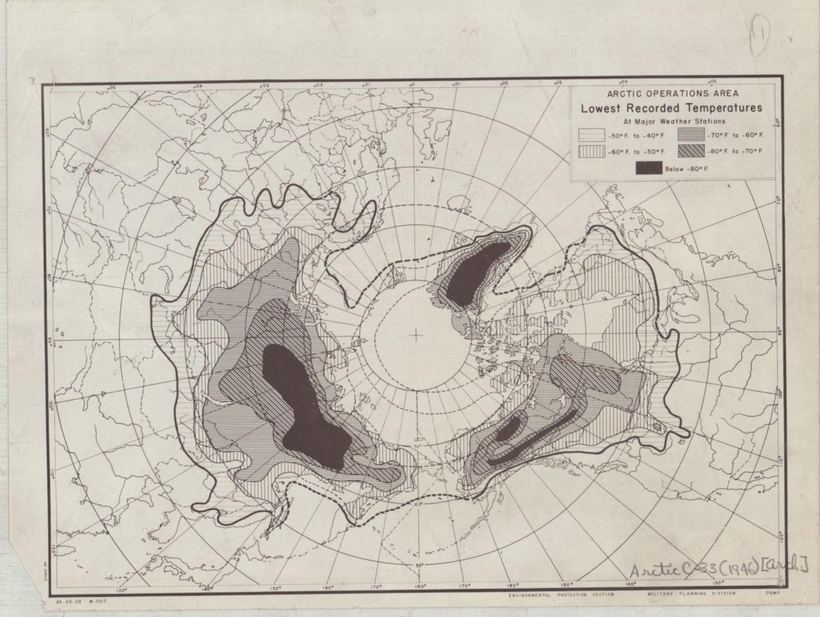


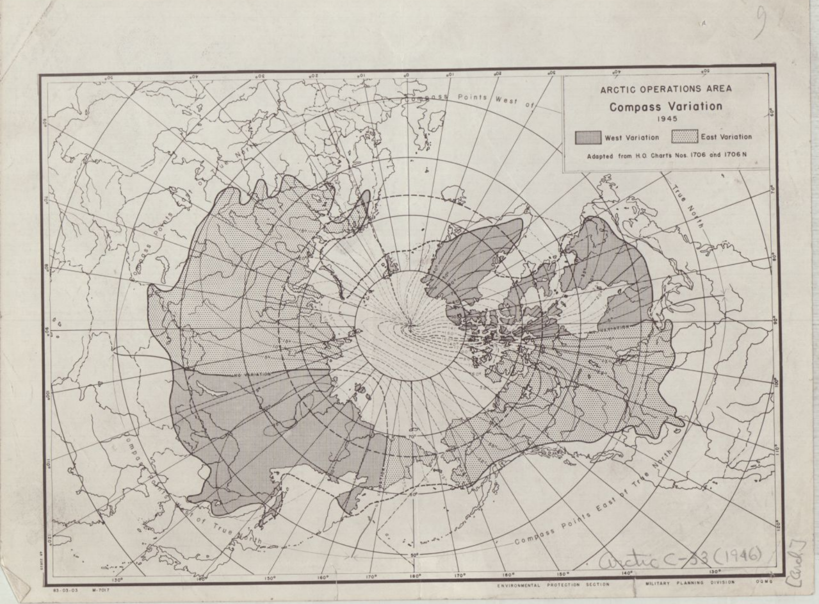
ARCTIC OPERATIONS AREA
Vegetation
Ice Caps and Glaciers
Tundra
Spruce-Fir Forest (Taiga)
Podsol
Mixed Forest
Grassland
Semidesert Shrub
ENVIRONMENTAL PROTECTION SECTION
MILITARY PLANNING DIVISION
OQMG
83-03-03 M-7029
Arctic C-33 (1946) [arch]


ARCTIC OPERATIONS AREA
Time Zones
Time Zone Boundaries
International Date Line
No Legal Time
83-03-03 M-7030
ENVIRONMENTAL PROTECTION SECTION. MILITARY PLANNING DIVISION DGMG
arctic C-33 (1946) [arch.]

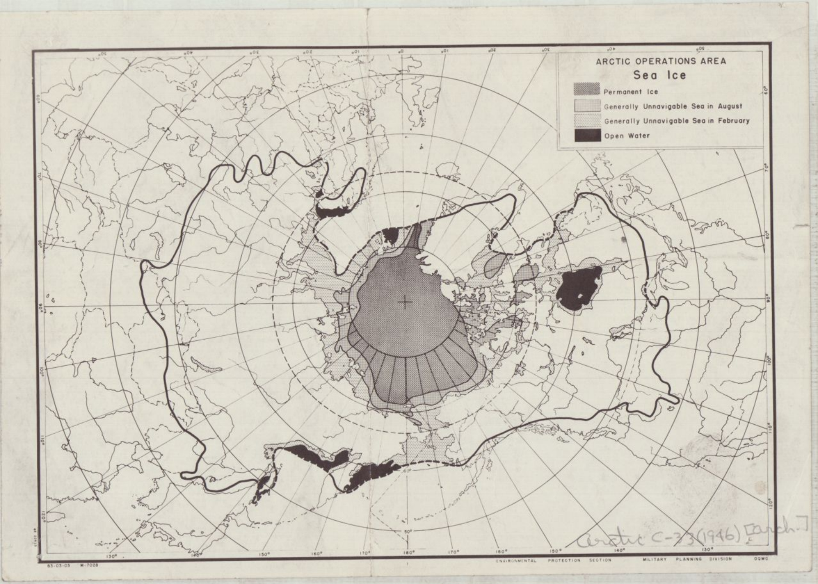

ARCTIC OPERATIONS AREA
River Ice, Lake Ice, and Ice Cap Areas
Dec 1 Average Date of Freeze-up. Line Broken Where Data is Inadequate.
Ice Cap Areas
KEY TO MAJOR RIVERS
1. Dvina
2. Pechora
3. Ob
4. Yenisei
5. Amur
6. Lena
7. Yana
8. Indigirka
9. Yukon
10. Mackenzie
83-03-03 M-7035
ENVIRONMENTAL PROTECTION SECTION
MILITARY PLANNING DIVISION
map M-7035
Arctic C-33 (194


ARCTIC OPERATIONS AREA
Average April Temperatures
32° F. to 50° F.
-4° F. to 14° F.
14° F. to 32° F.
-22° F. to -4° F.
-40° F. to -22° F.
ENVIRONMENTAL PROTECTION SECTION MILITARY PLANNING DIVISION OQMG
83-03-03 M-7008
arctic C-33 (1946) [arch.]


ARCTIC OPERATIONS AREA
Lowest Recorded Temperatures
At Major Weather Stations
-50° F. to -40° F.
-70° F. to -60° F.
-60° F. to -50° F.
-80° F. to -70° F.
Below -80° F.
83-03-03 M-7017
ENVIRONMENTAL PROTECTION SECTION
MILITARY PLANNING DIVISION
OQMG
Arctic C-33 (1946) [arch.]



ARCTIC OPERATIONS AREA
Compass Variation
1945
West Variation
East Variation
Adapted from H.O. Charts Nos. 1706 and 1706 N
Compass Points West of True North
Compass Points East of True North
Arctic C-33 (1946)
83-03-03
M-7017
ENVIRONMENTAL PROTECTION SECTION
MILITARY PLANNING DIVISION
OQMG



ARCTIC OPERATIONS AREA
Sea Ice
Permanent Ice
Generally Unnavigable Sea in August
Generally Unnavigable Sea in February
Open Water
83-03-03 M-7028
ENVIRONMENTAL PROTECTION SECTION
MILITARY PLANNING DIVISION
OQMG
Arctic C-33 (1946) [arch.]